

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (previously presented) An electrolytic cell comprising:
 - a first container containing an acidic catholyte, wherein the catholyte comprises a metal, optionally in complex with a complexing agent, and wherein a cathode is at least partially disposed within the catholyte, and wherein the first container has a first opening that is configured to receive the catholyte and a second opening that is configured to discharge the catholyte after the catholyte has contacted the second container;
 - wherein the first container is at least partially disposed in a tank that is configured to receive the catholyte from the second opening and that is configured to provide the catholyte to the first opening;
 - a pump fluidly coupled to the first container and configured to move the catholyte across the cathode at a predetermined flow velocity;
 - a second container containing an anolyte, wherein the second container is at least partially disposed in the catholyte, wherein the second container comprises a separator that separates the catholyte from the anolyte, and wherein the second container further comprises an anode; and
 - wherein the cathode and the second container are positioned relative to each other such that a flow path between the second container and cathode is formed from which the metal is deposited onto the cathode at non-current limiting conditions at the flow velocity.
2. (canceled)

3. (canceled)
4. (Original) The electrolytic cell of claim 1 wherein the acidic catholyte comprises sulfuric acid, and wherein the complexing agent is ethylenediamine tetraacetic acid.
5. (Original) The electrolytic cell of claim 1 wherein the cathode comprises titanium, and wherein the anode comprises lead or iridium oxide coated titanium.
6. (Original) The electrolytic cell of claim 1 wherein the anolyte is provided to the second container from an anolyte circulation tank, and wherein the anolyte comprises sulfuric acid.
7. (Original) The electrolytic cell of claim 1 wherein the separator comprises a diaphragm or an ion exchange polymer.
8. (Original) The electrolytic cell of claim 1 wherein the metal has a concentration of less than 5000 ppm.
9. (Original) The electrolytic cell of claim 1 wherein the metal has a concentration of less than 500 ppm.
10. (Original) The electrolytic cell of claim 1 wherein the predetermined flow velocity of the catholyte across the cathode is at least 0.08 m/sec.
11. (Original) The electrolytic cell of claim 1 wherein the metal is deposited as a smooth film.
12. (canceled)
13. (canceled)
14. (canceled)
15. (canceled)

16. (canceled)
17. (Original) An electrolytic cell comprising:
 - an electrolyte reservoir that contains an electrolyte in which lead is complexed with a complexing agent;
 - a first container at least partially disposed within the electrolyte reservoir, wherein the first container further includes a cathode, a first opening that receives the electrolyte from the electrolyte reservoir, and a second opening that provides the electrolyte back to the electrolyte reservoir;
 - a second container at least partially disposed within the first container, wherein the second container further includes an anolyte and an anode, wherein the anolyte in the second container is separated from the electrolyte in the first container by a separator; and
 - a pump fluidly coupled to the electrolyte reservoir and moving the electrolyte from the electrolyte reservoir to the first container via the first opening at a rate effective to prevent formation of a diffusion layer in a flow path that is formed between the second container and the cathode.
18. (Original) The electrolytic cell of claim 17 wherein the complexing agent is ethylenediamine tetraacetic acid and wherein the electrolyte further comprises an acid.
19. (Original) The electrolytic cell of claim 17 wherein the separator is a diaphragm or an ion exchange polymer.
20. (Original) The electrolytic cell of claim 17 further comprising an anolyte circulation tank that is fluidly coupled to the second container.
21. (canceled)
22. (canceled)

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23. (canceled)

24. (canceled)

25. (canceled)

26. (canceled)